

Lampiran 1. Formulir Uji Skala Kesukaan (*Hedonic scale Test*)

Formulir Uji Skala Kesukaan (*Hedonis Scale Test*)

Nama Panelis : *Devi Angelina P.P.*

Tanggal :

Produk : "*Infused Water* Bit Dengan Penambahan Lemon Dan Nanas"

Instruksi :

Dihadapkan saudara disajikan 4 sampel minuman *Infused Water* Bit. Saudara diminta untuk memberikan penilaian terhadap rasa, aroma dan warna dengan menggunakan skala sebagai berikut :

1 = Sangat tidak suka sekali

2 = Tidak suka

3 = Suka

4 = Sangat Suka

Setelah saudara mencicipi salah satu sampel saudara diminta berkumur dengan air minum yang telah disediakan sebelum mencicipi sampel yang lain. Selain itu saudara juga diminta untuk memberikan kritik dan saran.

Kode Sampel	Kriteria Penilaian		
	Rasa	Aroma	Warna
<i>P₀</i>	<i>4</i>	<i>3</i>	<i>4</i>
<i>P₁</i>	<i>2</i>	<i>3</i>	<i>4</i>
<i>P₂</i>	<i>2</i>	<i>3</i>	<i>4</i>
<i>P₃</i>	<i>3</i>	<i>3</i>	<i>4</i>

Kritik & Saran :

*P₁ & P₂ rasa Pahit sangat mengganggu
mungkin dari lemonnya.
untuk P₃ tidak terlalu Pahit.*

Terima Kasih Atas Partisipasinya

1

Lampiran 2. Formulir Penentuan Taraf Perlakuan Terbaik

Formulir Penentuan Taraf Perlakuan Terbaik

Panelis : *Digitar*

Tanggal :

Produk : "Infused Water Bit Dengan Penambahan Lemon Dan Nanas"

Bapak/Ibu/Saudara dimohon untuk mengemukakan pendapat mengenai tentang urutan (ranking) pentingnya penambahan lemon dan nanas terhadap aktivitas antioksidan dan mutu organoleptik pada *infused water* bit. Selanjutnya diberikan ranking mencantumkan angka 1-3. Angka terendah untuk variabel kurang penting dan angka tertinggi untuk variabel yang terpenting. Pemberian nilai boleh sama apabila dirasa variabel yang dinilai sama penting.

Variabel	Rangking
Aroma	3
Rasa	2
Warna	3
Aktivitas Antioksidan	1

Tanda Tangan Panelis



Terima Kasih Atas Partisipasinya

Lampiran 3. Hasil Uji Laboratorium Aktivitas Antioksidan



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DEPARTEMEN GIZI KESEHATAN
FAKULTAS KESEHATAN MASYARAKAT
UNIVERSITAS AIRLANGGA
SURABAYA
Kampus C, Jl. Mulyorejo Surabaya, 60115
Telp. 0315964808

No. Sampel : 238/Lab. Gizi/2025
Nama Sampel : Infused water bit dengan penambahan lemon dan nanas
Nama Pengirim : Yeremia Tista Malca Maritza
Alamat : Jurusan Gizi Poltekkes Kemenkes Malang
Tanggal diterima : 26 Desember 2025
Tanggal selesai : 2 Januari 2025

HASIL

Sampel	IC50-1 (ppm)	IC50-2 (ppm)
P0	229,87	231,32
P1	132,24	132,14
P2	100,82	102,22
P3	94,50	94,10

Surabaya, 2 Januari 2025
Teknisi,

Evy Arfianti, S.KM, M.Kes.
NIP. 197303282000032005

Lampiran 4. Hasil Uji Laboratorium Kalium



KEMENTERIAN PENDIDIKAN TINGGI, SAINS,
DAN TEKNOLOGI
UNIVERSITAS BRAWIJAYA

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PERTANIAN
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KEPADA : Yeremia Tista Maica Maritza
TO POLTEKES KEMENKES MALANG

LAPORAN HASIL UJI REPORT OF ANALYSIS

Nomor / Number : 0366/ IPABIO/LAB/2025
Nomor Analisis / Analysis Number : 0366
Tanggal penerbitan / Date of issue : 23 Oktober 2025
Yang bertanda tangan di bawah ini menerangkan, bahwa hasil pengujian
The undersigned ratifies that examination
Dari contoh / of the sample (s) of : INFUSED WATER BIT
Dari contoh / of the sample (s) of : LEMON dan NANAS
Untuk analisis / For analysis :
Keterangan contoh / Description of sample :
Diambil dari / Taken from :
Oleh / By :
Tanggal penerimaan contoh / Received : 16 September 2025
Tanggal pelaksanaan analisis / Date of analysis : 16 September 2025
Hasil adalah sebagai berikut / Resulted as follows

KODE	ANTIOKSIDAN IC50 (mg/ml)	K (ppm)
P0U1	2047,17	5,96
P0U2	1894,15	9,59
P0U3	1756,29	6,9
P1U1	216,17	16,34
P1U2	238,98	30,54
P1U3	239,57	22,39
P2U1	250,13	20,93
P2U2	229,96	16,55
P2U3	224,47	17,09
P3U1	656,22	19,35
P3U2	603,32	16,12
P3U3	547,93	24,33

HASIL PENGUJIAN INI HANYA BERLAKU UNTUK
CONTOH-CONTOH TERSEBUT DI ATAS.
PENGAMBIL CONTOH BERTANGGUNG JAWAB
ATAS KEBENARAN TANDING BARANG



Kepala Laboratorium Pengujian Mutu
dan Keamanan Pangan,

Prof. Dr. Ir. Sudarminto S. Yuwono, M.App. Sc
NIP. 19631216 198803 1 002

Lampiran 5. Analisis Uji Statistik Aktivitas antioksidan

- Uji Kruskal-Wallis

Descriptives

Antioksidan IC50

	N	Mean	Std. Deviation	Minimum	Maximum
P0	3	1899.203 3	145.50583	1756.29	2047.17
P1	3	231.5733	13.34294	216.17	239.57
P2	3	234.8533	13.51175	224.47	250.13
P3	3	602.4900	54.14977	547.93	656.22
Total	12	742.0300	718.45014	216.17	2047.17

Ranks

	Perlakuan	N	Mean Rank
IC50	P0	2	7.50
	P1	2	5.50
	P2	2	3.50
	P3	2	1.50
	Total	8	

Test Statistics^{a,b}

IC50

Kruskal-Wallis H	6.667
df	3
Asymp. Sig.	0.083

a. Kruskal Wallis Test

b. Grouping Variable: Perlakuan

- **Uji Mann-Whitney**

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
IC50	P0	2	3.50	7.00
	P1	2	1.50	3.00
	Total	4		

Test Statistics^a

IC50

Mann-Whitney U	0.000
Wilcoxon W	3.000
Z	-1.549
Asymp. Sig. (2-tailed)	0.121
Exact Sig. [2*(1-tailed Sig.)]	0.333 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
IC50	P0	2	3.50	7.00
	P2	2	1.50	3.00
	Total	4		

Test Statistics^a

IC50

Mann-Whitney U	0.000
Wilcoxon W	3.000
Z	-1.549
Asymp. Sig. (2-tailed)	0.121
Exact Sig. [2*(1-tailed Sig.)]	0.333 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
IC50	P0	2	3.50	7.00
	P3	2	1.50	3.00
	Total	4		

Test Statistics^a

IC50

Mann-Whitney U	0.000
Wilcoxon W	3.000
Z	-1.549
Asymp. Sig. (2-tailed)	0.121
Exact Sig. [2*(1-tailed Sig.)]	0.333 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Ranks				
	Perlakuan	N	Mean Rank	Sum of Ranks
IC50	P1	2	3.50	7.00
	P2	2	1.50	3.00
	Total	4		

Test Statistics^a

IC50	
Mann-Whitney U	0.000
Wilcoxon W	3.000
Z	-1.549
Asymp. Sig. (2-tailed)	0.121
Exact Sig. [2*(1-tailed Sig.)]	0.333 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Ranks				
	Perlakuan	N	Mean Rank	Sum of Ranks
IC50	P1	2	3.50	7.00
	P3	2	1.50	3.00

Total	4		
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Test Statistics^a

IC50

Mann-Whitney U	0.000
Wilcoxon W	3.000
Z	-1.549
Asymp. Sig. (2-tailed)	0.121
Exact Sig. [2*(1-tailed Sig.)]	0.333 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
IC50	P2	2	3.50	7.00
	P3	2	1.50	3.00
	Total	4		

Test Statistics^a

IC50

Mann-Whitney U	0.000
Wilcoxon W	3.000
Z	-1.549
Asymp. Sig. (2-tailed)	0.121
Exact Sig. [2*(1-tailed Sig.)]	0.333 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Ranks				
	Perlakuan	N	Mean Rank	Sum of Ranks
IC50	P2	3	4.00	12.00
	P3	3	3.00	9.00
	Total	6		

Test Statistics ^a	
IC50	
Mann-Whitney U	3.000
Wilcoxon W	9.000
Z	-0.655
Asymp. Sig. (2-tailed)	0.513
Exact Sig. [2*(1-tailed Sig.)]	0.700 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Lampiran 6. Analisis Uji Statistik Kadar Kalium

-Uji one way anova

Tests of Normality

		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Kalium	P0	0.288	3	.	0.928	3	0.482
	P1	0.206	3	.	0.993	3	0.837
	P2	0.344	3	.	0.841	3	0.216
	P3	0.223	3	.	0.985	3	0.766

a. Lilliefors Significance Correction

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Kalium	Based on Mean	1.578	3	8	0.269
	Based on Median	1.022	3	8	0.433
	Based on Median and with adjusted df	1.022	3	4.843	0.459
	Based on trimmed mean	1.543	3	8	0.277

Descriptives

Kalium

	N	Mean	Std. Deviation	Minimum	Maximum
P0	3	7.4833	1.88399	5.96	9.59
P1	3	23.0900	7.12583	16.34	30.54
P2	3	18.1900	2.38822	16.55	20.93
P3	3	19.9333	4.13597	16.12	24.33
Total	12	17.1742	7.17911	5.96	30.54

ANOVA

Kalium

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	412.663	3	137.554	7.133	0.012
Within Groups	154.274	8	19.284		
Total	566.936	11			

-Uji Lanjut LSD

Multiple Comparisons

Dependent Variable: Kalium

LSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
P0	P1	-15.60667*	3.58554	0.002	-23.8749	-7.3384
	P2	-10.70667*	3.58554	0.017	-18.9749	-2.4384
	P3	-12.45000*	3.58554	0.008	-20.7183	-4.1817
P1	P0	15.60667*	3.58554	0.002	7.3384	23.8749
	P2	4.90000	3.58554	0.209	-3.3683	13.1683
	P3	3.15667	3.58554	0.404	-5.1116	11.4249
P2	P0	10.70667*	3.58554	0.017	2.4384	18.9749
	P1	-4.90000	3.58554	0.209	-13.1683	3.3683
	P3	-1.74333	3.58554	0.640	-10.0116	6.5249
P3	P0	12.45000*	3.58554	0.008	4.1817	20.7183
	P1	-3.15667	3.58554	0.404	-11.4249	5.1116
	P2	1.74333	3.58554	0.640	-6.5249	10.0116

*. The mean difference is significant at the 0.05 level.

Lampiran 7. Analisis Uji Statistik Mutu Organoleptik

a. Warna

Panelis	Perlakuan			
	P0	P1	P2	P3
1	2	4	3	3
2	4	3	3	2
3	2	3	3	3
4	4	4	4	4
5	3	2	3	3
6	3	3	3	3
7	3	4	3	3
8	4	3	4	4
9	4	4	4	4
10	3	3	3	2
11	3	3	2	4
12	3	4	4	4
13	3	3	3	4
14	4	4	3	3
15	3	3	3	3
16	4	4	3	4
17	3	2	3	3
18	2	3	3	3
19	2	3	3	3
20	3	3	4	3
Jumlah total	62	65	64	65
Modus	3	3	3	3
Rata-rata	3,10	3,25	3,20	3,25
Tingkat kesukaan	4	1	3	2

Descriptives					
perlakuan				Statistic	Std. Error
Taraf_perlakuan	Taraf perlakuan P0	Mean		3.10	.161
		95% Confidence Interval for Mean	Lower Bound	2.76	
			Upper Bound	3.44	
		5% Trimmed Mean		3.11	
		Median		3.00	
		Variance		.516	
		Std. Deviation		.718	
		Minimum		2	
		Maximum		4	
		Range		2	
		Interquartile Range		1	
		Skewness		-.152	.512
		Kurtosis		-.880	.992
	Taraf perlakuan P1	Mean		3.25	.143
		95% Confidence Interval for Mean	Lower Bound	2.95	
			Upper Bound	3.55	
		5% Trimmed Mean		3.28	
		Median		3.00	
		Variance		.408	
		Std. Deviation		.639	
		Minimum		2	
		Maximum		4	
		Range		2	
		Interquartile Range		1	
		Skewness		-.253	.512
		Kurtosis		-.439	.992
	Taraf perlakuan P2	Mean		3.20	.117

	95% Confidence Interval for Mean	Lower Bound	2.96		
		Upper Bound	3.44		
	5% Trimmed Mean		3.22		
	Median		3.00		
	Variance		.274		
	Std. Deviation		.523		
	Minimum		2		
	Maximum		4		
	Range		2		
	Interquartile Range		1		
	Skewness		.294	.512	
	Kurtosis		.457	.992	
	Taraf perlakuan P3	Mean		3.25	.143
		95% Confidence Interval for Mean	Lower Bound	2.95	
Upper Bound			3.55		
5% Trimmed Mean		3.28			
Median		3.00			
Variance		.408			
Std. Deviation		.639			
Minimum		2			
Maximum		4			
Range		2			
Interquartile Range		1			
Skewness		-.253	.512		
Kurtosis		-.439	.992		

Tests of Normality

		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Taraf_perlakuan	Taraf perlakuan P0	.255	20	.001	.812	20	.001
	Taraf perlakuan P1	.302	20	.000	.780	20	.000
	Taraf perlakuan P2	.399	20	.000	.695	20	.000
	Taraf perlakuan P3	.302	20	.000	.780	20	.000

Uji Kruskal Wallis

Ranks

	perlakuan	N	Mean Rank
Taraf_perlakuan	Taraf perlakuan P0	20	37.65
	Taraf perlakuan P1	20	42.18
	Taraf perlakuan P2	20	40.00
	Taraf perlakuan P3	20	42.18
	Total	80	

Test Statistics^{a,b}

Taraf_perlakuan

Kruskal-Wallis H	.666
df	3
Asymp. Sig.	.881

a. Kruskal Wallis Test

b. Grouping Variable:
perlakuan

b. Aroma

Panelis	Perlakuan			
	P0	P1	P2	P3
1	2	4	2	3
2	3	3	3	2
3	3	3	3	3
4	2	2	3	3
5	3	2	3	3
6	3	3	2	3
7	3	2	3	3
8	4	4	4	4
9	3	3	3	3
10	1	3	4	3
11	2	2	3	4
12	4	4	4	4
13	2	2	2	4
14	1	2	2	3
15	1	2	3	2
16	2	2	3	3
17	1	2	3	3
18	1	3	2	1
19	2	3	3	3
20	2	3	3	3
Jumlah total	45	54	58	60

Modus	3	3	3	3
Rata-rata	2,25	2,70	2,90	3,00
Tingkat kesukaan	4	3	2	1

Descriptives

perlakuan		Statistic		Std. Error
Taraf_perlakuan	Taraf perlakuan P0	Mean	2.25	.216
		95% Confidence Interval for Mean	Lower Bound	1.80
			Upper Bound	2.70
		5% Trimmed Mean	2.22	
		Median	2.00	
		Variance	.934	
		Std. Deviation	.967	
		Minimum	1	
		Maximum	4	
		Range	3	
		Interquartile Range	2	
		Skewness	.219	.512
		Kurtosis	-.817	.992
	Taraf perlakuan P1	Mean	2.70	.164
		95% Confidence Interval for Mean	Lower Bound	2.36
			Upper Bound	3.04
		5% Trimmed Mean	2.67	
		Median	3.00	
		Variance	.537	
		Std. Deviation	.733	
		Minimum	2	
		Maximum	4	
		Range	2	
		Interquartile Range	1	
		Skewness	.553	.512
		Kurtosis	-.834	.992

	Taraf perlakuan P2	Mean	2.90	.143
		95% Confidence Interval for Mean	Lower Bound	2.60
			Upper Bound	3.20
		5% Trimmed Mean	2.89	
		Median	3.00	
		Variance	.411	
		Std. Deviation	.641	
		Minimum	2	
		Maximum	4	
		Range	2	
		Interquartile Range	1	
		Skewness	.080	.512
		Kurtosis	-.250	.992
	Taraf perlakuan P3	Mean	3.00	.162
		95% Confidence Interval for Mean	Lower Bound	2.66
			Upper Bound	3.34
		5% Trimmed Mean	3.06	
		Median	3.00	
		Variance	.526	
		Std. Deviation	.725	
		Minimum	1	
		Maximum	4	
		Range	3	
		Interquartile Range	0	
		Skewness	-.919	.512
		Kurtosis	2.198	.992

Tests of Normality

		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Taraf_perlakuan	Taraf perlakuan P0	.202	20	.032	.882	20	.019
	Taraf perlakuan P1	.280	20	.000	.784	20	.000
	Taraf perlakuan P2	.312	20	.000	.788	20	.001
	Taraf perlakuan P3	.350	20	.000	.775	20	.000

Uji Kruskal wallis

Ranks			
	perlakuan	N	Mean Rank
Taraf_perlakuan	Taraf perlakuan P0	20	29.33
	Taraf perlakuan P1	20	38.88
	Taraf perlakuan P2	20	45.08
	Taraf perlakuan P3	20	48.73
	Total	80	

Test Statistics^{a,b}

	Taraf_perlakuan
Kruskal-Wallis H	9.342
df	3
Asymp. Sig.	.025

a. Kruskal Wallis Test

b. Grouping Variable:
perlakuan

Uji Mann Whitney

Ranks				
	Perlakuan	N	Mean Rank	Sum of Ranks
Aroma	P0	20	17.83	356.50
	P1	20	23.18	463.50
	Total	40		

Test Statistics^a

Aroma	
Mann-Whitney U	146.500
Wilcoxon W	356.500
Z	-1.534
Asymp. Sig. (2-tailed)	.125
Exact Sig. [2*(1-tailed Sig.)]	.149 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Ranks

		N	Mean Rank	Sum of Ranks
Aroma	P0	20	16.52	330.50
	P2	20	24.48	489.50
	Total	40		

Test Statistics^a

Aroma	
Mann-Whitney U	120.500
Wilcoxon W	330.500
Z	-2.294
Asymp. Sig. (2-tailed)	.022
Exact Sig. [2*(1-tailed Sig.)]	.030 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Aroma	P0	20	15.98	319.50
	P3	20	25.03	500.50
	Total	40		

Test Statistics^a

	Aroma
Mann-Whitney U	109.500
Wilcoxon W	319.500
Z	-2.617
Asymp. Sig. (2-tailed)	.009
Exact Sig. [2*(1-tailed Sig.)]	.013 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

c. Rasa

Panelis	Perlakuan			
	P0	P1	P2	P3
1	1	1	2	4
2	1	2	1	2
3	1	3	1	1
4	1	3	2	2
5	1	3	2	3
6	2	2	1	2
7	2	3	1	3
8	1	4	3	3
9	2	4	2	3
10	2	2	3	4
11	1	2	2	3
12	2	2	3	3
13	1	2	2	4
14	2	1	1	2
15	1	1	2	3
16	1	3	2	2
17	1	1	2	3
18	2	1	1	2
19	2	1	1	3
20	1	2	3	3
Jumlah total	28	43	37	55
Modus	2	1	2	3
Rata-rata	1,40	2,15	1,85	2,75
Tingkat kesukaan	4	2	3	1

Descriptives

perlakuan		Statistic		Std. Error
Taraf_perlakuan	Taraf perlakuan P0	Mean	2.15	.221
		95% Confidence Interval for Mean	Lower Bound	1.69
			Upper Bound	2.61
		5% Trimmed Mean	2.11	
		Median	2.00	
		Variance	.976	
		Std. Deviation	.988	
		Minimum	1	
		Maximum	4	
		Range	3	
		Interquartile Range	2	
		Skewness	.399	.512
		Kurtosis	-.770	.992
	Taraf perlakuan P1	Mean	1.40	.112
		95% Confidence Interval for Mean	Lower Bound	1.16
			Upper Bound	1.64
		5% Trimmed Mean	1.39	
		Median	1.00	
		Variance	.253	
		Std. Deviation	.503	
		Minimum	1	
		Maximum	2	
		Range	1	
		Interquartile Range	1	
		Skewness	.442	.512
		Kurtosis	-2.018	.992

Taraf perlakuan P2	Mean		1.85	.167
	95% Confidence Interval for Mean	Lower Bound	1.50	
		Upper Bound	2.20	
	5% Trimmed Mean		1.83	
	Median		2.00	
	Variance		.555	
	Std. Deviation		.745	
	Minimum		1	
	Maximum		3	
	Range		2	
	Interquartile Range		1	
	Skewness		.257	.512
	Kurtosis		-1.043	.992
Taraf perlakuan P3	Mean		2.75	.176
	95% Confidence Interval for Mean	Lower Bound	2.38	
		Upper Bound	3.12	
	5% Trimmed Mean		2.78	
	Median		3.00	
	Variance		.618	
	Std. Deviation		.786	
	Minimum		1	
	Maximum		4	
	Range		3	
	Interquartile Range		1	
	Skewness		-.225	.512
	Kurtosis		-.018	.992

Tests of Normality

		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Taraf_perlakuan	Taraf perlakuan P0	.210	20	.021	.871	20	.012
	Taraf perlakuan P1	.387	20	.000	.626	20	.000
	Taraf perlakuan P2	.230	20	.007	.809	20	.001
	Taraf perlakuan P3	.275	20	.000	.864	20	.009

a. Lilliefors Significance Correction

Uji Kruskal wallis

Ranks

	perlakuan	N	Mean Rank
Taraf_perlakuan	Taraf perlakuan P0	20	42.88
	Taraf perlakuan P1	20	24.70
	Taraf perlakuan P2	20	36.60
	Taraf perlakuan P3	20	57.83
	Total	80	

Test Statistics^{a,b}

	Taraf_perlakuan
Kruskal-Wallis H	23.498
df	3
Asymp. Sig.	.000

a. Kruskal Wallis Test

b. Grouping Variable:
perlakuan

Uji mann whitney

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Rasa	P0	20	24.90	498.00
	P1	20	16.10	322.00
	Total	40		

Test Statistics^a

Rasa	
Mann-Whitney U	112.000
Wilcoxon W	322.000
Z	-2.575
Asymp. Sig. (2-tailed)	.010
Exact Sig. [2*(1-tailed Sig.)]	.017 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Rasa	P0	20	22.08	441.50
	P2	20	18.93	378.50
	Total	40		

Test Statistics^a

Rasa	
Mann-Whitney U	168.500
Wilcoxon W	378.500
Z	-.903
Asymp. Sig. (2-tailed)	.367
Exact Sig. [2*(1-tailed Sig.)]	.398 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Rasa	P0	20	16.90	338.00
	P3	20	24.10	482.00
	Total	40		

Test Statistics^a

	Rasa
Mann-Whitney U	128.000
Wilcoxon W	338.000
Z	-2.046
Asymp. Sig. (2-tailed)	.041
Exact Sig. [2*(1-tailed Sig.)]	.052 ^b

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

Lampiran 8. Taraf Perlakuan Terbaik

a. Hasil rangking taraf perlakuan terbaik

Responden	Aktivitas antioksidan	Kalium	Warna	Aroma	Rasa
1	4	4	2	3	4
2	4	3	3	3	4
3	3	4	3	3	3
4	3	5	3	3	3
5	4	4	2	2	5
6	5	3	1	4	3
7	5	4	3	3	4
8	5	4	3	3	4
9	5	5	4	3	5
10	4	5	2	3	5
Total	42	41	26	30	40
Rata-rata	4,2	4,1	2,6	3	4
Ranking	1	2	5	4	3

Lampiran 9. Hasil Uji Indeks Efektivitas Taraf Perlakuan Terbaik

Responden	Aktivitas antioksidan	Kalium	Warna	Aroma	Rasa
1	4	4	2	3	4
2	4	3	3	3	4
3	3	4	3	3	3
4	3	5	3	3	3
5	4	4	2	2	5
6	5	3	1	4	3
7	5	4	3	3	4
8	5	4	3	3	4
9	5	5	4	3	5
10	4	5	2	3	5
Total	42	41	26	30	40
Rata-rata	4,2	4,1	2,6	3	4
Ranking	1	2	5	4	3
Bobot variabel	1	0,97	0,61	0,71	0,95

Perlakuan	Aktivitas Antioksidan	Kalium	Warna	Aroma	Rasa
P0	230,32	7,48	3,10	2,25	1,40
P1	132,14	23,09	3,25	2,70	2,15
P2	102,22	18,19	3,20	2,90	1,85
P3	94,10	19,93	3,25	3,00	2,75

Variabel	BV	BN	P0		P1		P2		P3	
			Ne	Nh	Ne	Nh	Ne	Nh	Ne	Nh
Aktivitas Antioksidan	1	0,24	0	0	0,72	0,17	0,94	0,22	0	0
Kalium	0,97	0,23	0	0	0	0	0,68	0,15	0,79	0,18
Warna	0,61	0,15	0	0	0	0	0,66	0,09	0	0
Aroma	0,71	0,17	0	0	1,8	0,30	0,86	0,14	0	0
Rasa	0,95	0,23	0,0	0,0	0,55	0,13	0,33	0,07	0	0
Total	4,24			0,0		0,6		0,67		0,18
Ranking				IV		III		I		II

Lampiran 10. Dokumentasi Penelitian

